Docket No. 122023

0280

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Christian Maria Anton Heller

Serial No.: 10/065,850

Filed:

November 26, 2002

For ELECTRODES MITIGATING EFFECTS OF DEFECTS IN ORGANIC ELECTRONIC DEVICES

Group Art Unit:

Examiner:



## INFORMATION DISCLOSURE STATEMENT

X	1	Pursuant to 37CFR 1.97(b) [within 3 months of national, non-CPA filling or prior to 1st Office Action] no charge
	2	Certification Pursuant to 37 CFR 1.97(c)(1)
		[before Final Office Action, Allowance, or other action closing prosecution] no charge
	3	Fee Payment Pursuant to 37 CFR 1.97(c)(2) [before Final Office Action, Allowance, or other action closing prosecution] \$180.00
П	4	Certification & Fee Payment Pursuant to 37 CFR 1.97(d)
_		[On or before issue fee payment] \$180.00
Ass	sista	BOX PATENT APPLICATION ant Commissioner for Patents agton, D.C. 20231

Sir:

The following are submitted in the above application in compliance with 37 CFR 1.97 and 37 CFR 1.98:

A list of documents on form PTO-1449 or Substitute together with copies of each identified document and a translation thereof or a concise explanation of each non-English language document or a Search Report from an International Searching Authority for a patent application filed via the Patent Cooperation Treaty or document(s) cited in the application or the priority application.

Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on the date indicated below.	al or
Date of Deposit	
Type or Print Name	
Signature	

, .									
This paper is submitted in	accordance with:								
⊠ 6 37 Ci Actio		of national, non-CPA filing or prior to 1st Office							
	FR 1.97(c): [before Final Offing prosecution, whichever is	Office Action, Allowance, or other action is earlier]; and							
□ 8	The required Certification m	ade in item 11 below; or							
9	•	n 37 CFR 1.17(p) for submission of Statement is authorized in item 15 below.							
☐ 10 37 C	FR 1.97(d): [on or before iss	ue fee payment]; and							
a)	The required Certification is	stated in item 11 below; and							
b)	•	n 37 CFR 1.17(p) for submission of Statement is authorized in item 14 below.							
☐ 11 Certif	ication								
12	any communication from	ontained in this Statement was first cited in a foreign patent office in a counterpart not more than three months prior to the							
□ 13	from a foreign patent office to the knowledge of the pe reasonable inquiry, no it Statement was known to	Statement was cited in a communication in a counterpart foreign application and, rson signing this document after making tem of information contained in this any individual designated in 37 CFR 3) months prior to the filing date of this							
🔀 14 Payn	nent of all applicable fees:								
<b>⊠</b> 19	• • • • • • • • • • • • • • • • • • • •	e Statement to Deposit Account No.							
An original and two (2) co	ppies of this document are er	closed.							
		Respectfully submitted,							
November	25, 2002	Toan 6 V							
Date		Attorney - Toan P. Vo							

**General Electric Company** CRD Patent Docket Rm 4A59 P.O. Box 8, Bldg. K-1 Schenectady, New York 12301 Customer Number: 006147

page 2 of 2

Registration No. 43,225

Phone: (518) 387-6648 or (518) 387-7122

FORM PTO-1449 (REV. 7-80)							DEPARTMENT ( ENT AND TRADE		T	ATTY. DOCKET NO.		SERIAL NO	SERIAL NO.				
(Title Amended 3/	83)						,	AII	ENT AND THADE	MARK OFFICE		122023	10/06	10/065,850			
											Applicant						
INEQUIVE									MENT BY AI	PPLICANT	Christian Maria Anton Heller						
DEC. D.	LIST OF ITEMS											Filing Date		Group			
DEC. 5 2 2002 L.)								if r	nocessary)			11/26/02					
6 102	8.7																
PADEMA	U.S. PATENT										D	OCUMENTS		T			
*EXAMINER INITIAL	DOCUMENT NUMBER DATE								DATE		N	NAME	CLASS	SUBCLASS	FILING DATE SUBCLASS IF APPROPRIATE		
	AA 5 2 9 4 8 7 0 03/15/									Tang et al.							
	AB	6	1	2	7	6	9	3	10/03/00	Chen et al.	•		<del></del>				
	AC 6 3 6 5 2 7 0								04/02/02	Forrest et a	al.						
	AD	6	4	0	3	2	3	8	06/11/02	Horhold et a							
	AE 6 3 2 9 0 8 4								12/11/01	Tamano et							
	<b>AF</b> 6 0 3 0 7 1 5								02/29/00	Thompson et al.							
	<b>AG</b> 6 0 0 4 6 8 5								12/21/99	Antoniadis et al.							
	АН	<b>AH</b> 6 0 4 8 6 3 0							04/11/00	Burrows et al.							
	Al	AI 6 3 0 3 2 3 8 10/1							10/16/01	Thompson et al.							
	AJ	6	3	2	9	0	8	5	12/11/01	Burrows et	a	l.					
	AK 6 3 3 3 1 2 2							2	12/25/01	1 Furukawa et al.							
									FOREIG	ON PATENT DO	00	CUMENTS					
		D	ocı	JME	NT I	NUN	/BEI	3	DATE	COUNTRY			CLASS	SUBCLASS	TRANSL YES	ATION No	
	AL	Ц	0	1	4	5 4	4 6	9	06/21/01	PCT							
	AM		0	1	4	2 /	2 1	8	06/14/01	PCT							
	AN	Ш	1	2	1	5 9	9 4	5	12/12/01	EP						<del></del>	
	AO																
	AP																
					ОΤΙ	ΗE	RIN	NFC	PRMATION (I	ncluding Autho	or,	Title, Date, Pertinent	pages. Etc	r.)			
	AR								ear-Ultraviol 1998).	et Electrolum	nin	escence from Polys	ilanes" Th	nin Solid Fil	lms, Vol		
	I. Seguy et al., "Red Organic Light Emitting Device Made From Triphenylene Hexaester and Perylene Tetraester," Journal of Applied Physics., Vol. 89, No. 10, 5442 (2001).  C. Adachi et al., "Electroluminescence Mechanisms in Organic Light-Emitting Devices Employing a Europium Chelate Doped in a Wide Energy Gap Bipolar Conducting Host," Journal of Applied Physics., Vol. 87, No.11, 8049 (2000).																
EXAMINER										DA	DATE CONSIDERED						
*EXAMINER: In Include copy of t	itial if refe his form	ereno with	ce co	onsi con	dere nmu	d, w nica	heth tion	er or to ap	not citation is in oplicant.	conformance with	MF	PEP 609; Draw line through c	itation if not in	conformance g	and not consid	dered.	

FORM PTO-1449 (REV. 7-80)					_				DEPARTMENT C			ATTY. DOCKET NO.		SERIAL NO.				
(Title Amended 3/6	ended 3/83)											122023		10/0	10/065,850			
INFORMATIC	SID N								MENT BY A	PPLICANT-	-	Applicant Christian Maria Anton Heller						
	ध्य	_			)F			_				Filing Date Gr			Group			
DEC 0 2 200	ر)(ببر ۲	Use	se	vei	ral s	he	ets	if n	necessary)			11/26/02						
GIATIEN S	<u>\$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \</u>					_		_		II C DATEN	 T 1	DOCUMENTS						
-EXAMPLE MA										U.S. PATEN		DOCOMENTS	· · · ·	T	FILING	DATE		
INITIAL	DC	DOCUMENT NUMBER							DATE			NAME	CLASS	SUBCLASS	IF APPROPRIATE			
	ВА	6	0	2	3	3	7	1	02/08/00	Onitsuka	et	al.						
	ВВ	6	3	9	2	2	5	0	05/21/02	Aziz et al.			•					
	ВС	5	5	9	8	8	0	3	02/04/97	Czipri								
	BD	L																
	BE							_										
	BF	_					_									- 17		
	BG						_											
	вн		L					L										
	BI																	
	BJ	_													•			
	вк														_			
									FOREIG	ON PATENT	DC	CUMENTS						
		D	OCL	JME	ит и	IUN	BEF	₹	DATE	COUNTRY			CLASS	SUBCLASS	TRANSL YES	ATION No		
	BL							ļ		.,								
	ВМ																	
	BN					1	↓											
	во					Ţ		Ţ										
	ВР									<u> </u>								
				(	ЭТН	ΙΕΙ	R IN	NFC	RMATION (I	ncluding Aut	ho	r, Title, Date, Pertinent	pages. Et	c.)				
	BR		H. Heil et al., "Tris (dibenzoylmethand)(monophenanthroline) europium (III) Based Red Emitting Organic Light Emitting Diodes," Journal of Applied Physics, Vol. 90, No. 10, 5357 (2001).															
	BS	w	Y. Kawamura et al., "Energy Transfer in Polymer Electrophosphorescent Light Emitting Devices with Single and Multiple Doped Luminescent Layers," Journal of Applied Physics, Vol. 92, No. 1, 87 (2002).															
	вт								Gregory, "Org 253-255, 25		nis	try in Colour," Spring	er-Verlag,	Berlin, pp.	99-101,			
EXAMINER											DA	TE CONSIDERED						
*EXAMINER: In Include copy of the	itial if refe	eren with	ce co	onsid con	dere	d, w	heth tion	er o	r not citation is in oplicant.	conformance wi	th N	MPEP 609; Draw line through	citation if not i	n conformance	and not consi	dered.		

(REV. 7-80) PATI									FOF COMMERCE DEMARK OFFICE	ľ	ATTY. DOCKET NO.		ŀ	SERIAL NO.			
(Title Amended 3/83)											122023 10/065,850 Applicant						
		SCL	.osı	URE	ΞS	TAT	ΓΕΙ	MENT BY	APPLICANT	-							
OIP	1. 20	L	<u>IST</u>	OF	<u> </u>	EM	<u>s</u>			ŀ	Filing Date						
DEC 0 22	(g cm			1	<b>.</b> .	4_	: <b>s</b>				11/26/02		Group				
E COLLEGE		Use	sev	erai	sne	eets	IT T	necessary)		_							
HADEM	<sup>64</sup> 67							ī	U.S. PATENT	Γ <u>C</u>	DOCUMENTS	Γ		FILING	DATE		
*EXAMINER**	DC	ocui	MENT	NUM	/BEF	R		DATE			NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE			
	CA	Ц		<u> </u>	Ļ												
	СВ				<u> </u>				1								
	СС																
	CD																
	CE								ı,								
	CF																
-	CG																
	СН																
	CI																
	CJ																
	СК		T		T												
	-							FORE	IGN PATENT D	OC	CUMENTS		<u> </u>				
		DC	CUM	ENT	NUN	MBEF	₹	DATE		C	COUNTRY	CLASS	SUBCLASS TRANSLATION YES No				
	CL				$\prod$										-		
	СМ				T	Ť	Ť										
	CN	İ	j	Ħ	Ť	j	Ť					<u> </u>					
	со	П	1	$\Box$	T		Ì							7			
	СР	i	T	П		1	Ì										
			1	ОТ	HE	R IN	IFC	RMATION	(Including Auth	noi	r, Title, Date, Pertinen	pages. Et	c.)				
	CR	OTHER INFORMATION ( <i>Including Author, Title, Date, Pertinent pages. Etc.</i> )  09/683,345, A. Duggal et al., " Light-Emitting Device with Organic Electroluminiscent Material and Photoluminescent Materials," Filed December 17, 2001, (GE Docket RD-28,430).															
	ļ																
	cs																
·	СТ									_			-				
EXAMINER									D	A	TE CONSIDERED						
*EXAMINER: In Include copy of I	itial if refe	renc	e cons	sidere	ed, w	vheth	er or	not citation is i	in conformance with	n M	1PEP 609; Draw line through	citation if not	in conformance	and not consi	dered.		